

DOUBLE-BAG PACKAGE AND PERFORATION KNIFE

ABSTRACT OF THE DISCLOSURE

5 A double-bag package, and method for manufacturing same, constructed by modification to existing vertical form and fill packaging machines and perforation knives. In a preferred embodiment, the invention involves producing a double-bag package from a single sheet of packaging film by feeding a roll of film having graphics printed sideways rather than vertically into a vertical form, fill and seal packaging machine and using a novel perforating/cutting knife
10 to alternately cut and perforate transverse seals. The perforating/cutting knife has teeth in the shape of oblique triangular pyramids, with each tooth having three cutting edges. The perforating/cutting knife produces self-correcting T-shaped perforation patterns capable of capturing and redirecting errant tears for fail-safe directional separation.